ABHIRAM GUMMULA

Bachelor of Technology in Mechanical Engineering

Indian Institute of Technology Tirupati, India

https://www.linkedin.com/in/abhiram-gummula

Education Details

Program	Institute	Year	%/CGPA
Bachelor of Technology	Indian Institute of Technology, Tirupati	2022	8.14/10.00
Higher Secondary Education	VelocIITy Educational Institutions	2018	96.2%
Secondary Education	St. Andrews School	2016	10.00/10.00

Areas of Interest

- Front End Development, Full Stack Development, Project Management, Responsive Web Design, Web Performance Optimization, Data Analysis, Business Intelligence

Technical Proficiency

Engineering Softwares	:	Excel, PostgreSQL, Power BI, Tableau, MATLAB
Programming Languages	:	VBA, SQL, Python, C
Front End Technologies	:	HTML, CSS, JavaScript, React JS

Projects

- **Interactive Excel Dashboard**   **[November 2022 - December 2022]**
  - **Abstract**: Data related to bike sales containing a 1000 rows was analyzed, and a dashboard was designed to help gain valuable insights and take business decisions.

- **Data Exploration using SQL**   **[November 2022 - December 2022]**
  - **Abstract**: Data related to COVID-19 with more than 2.38 lakhs of rows was explored using SQL on Microsoft SQL Management Studio using skills such as joins, CTEs, temp tables, window functions, aggregate functions, creating views and converting data types.

- **Zomato Restaurants Analysis**   **[November 2022 - December 2022]**
  - **Abstract**: In this EDA project, data (17 columns and more than 50,000 rows) related to Zomato restaurants in Bengaluru was downloaded, cleaned, analyzed (using NumPy and Pandas) and visualized (using Matplotlib and Seaborn) based on which some interesting questions were answered.

- **Visualization Project in Tableau**   **[November 2022 - December 2022]**
  - **Abstract**: A dashboard of visualizations was created based on the SQL queries written on the COVID-19 data.

- **Analysis and Data Visualization with Power BI Desktop**   **[December 2022 - January 2023]**
  - **Abstract**: In this project, a professional quality, end-to-end business intelligence solution has been designed, armed only Microsoft with Power BI and a handful of raw CSV files, for Adventure Works Cycles, a global manufacturing company. It involved connecting and transforming the raw data, building a relational data model, adding calculated fields with DAX, and designing interactive Power BI reports.

- **Mini Front End Projects** [February 2023 - March 2023]
  - ○ **Abstract**: Parallel to actively learning and expanding my knowledge, I successfully completed a series of small projects to further enhance my front-end development skills. These projects effectively demonstrate my proficiency in HTML, CSS, and JavaScript. Notable examples include a BMI Calculator, providing instant and accurate results, a Dad Jokes Generator that fetches amusing jokes from an API, and a simple yet functional calculator for performing arithmetic operations. Additionally, I created an English Dictionary featuring audio pronunciation, along with a diverse range of applications such as note-making, quote generation, rock paper scissors game, temperature converter, Tic Tac Toe, to-do list organizer, and a weather app.

- **Food Ordering App** [April 2023 - May 2023]
  - ○ **Abstract**: In this project, I developed a config-driven UI-based single-page application to showcase my skills in web development. The application, named 'Street Bite,' is a food ordering platform that offers a seamless user experience. It includes essential features such as cart functionality, search capability, shimmer component for visual loading, and optimized lazy loading. By leveraging real data from Swiggy's public API, users can explore restaurants and their food items in detail. The project incorporates Tailwind CSS for styling, Redux for managing cart-related data, and react-testing-library for efficient testing. I built the application from scratch, utilizing React's functional components, JSX, React Hooks, conditional rendering, and React Router for page navigation. The project is bundled using Parcel for optimal performance

Positions of Responsibility

- Led the team for a five month internship project at Amara Raja Batteries Limited during the COVID pandemic. I coordinated between team members, lab technicians, project guide and the industrial team

- Conducted a talent search examination as part of college fest for more than 150 students in schools of Hyderabad

Extra Curricular Activities

- Participated in various NSS activities conducted by college

- Participated in social, science and maths exhibitions in school

Hobbies and Interests

- Reading books

- Understanding businesses

- Playing chess